Overview

- Clarifying assignment 2 requirements
  - Required pseudocode
  - Data structure diagram
- Reporting with .Net
  - Crystal Reports and the world of reporting applications
  - Crystal report files
  - The Crystal report viewer
- Resources to learn more

Your revised domain model

- We said:
  “Revise your Domain model to include any pseudocode for the class’s operations/behaviours.”
- We now see that’s a little unclear, how about this:
  “Revise your Domain model. Pseudocode can be used to describe the operations/behaviours/methods of classes in your object model. Include two examples of pseudocode that describe object methods in your submission.”

Data structure diagram

“A diagram that depicts a set of data elements, their attributes, and the logical relationships among them.”

- Closely related to an EER, basically its an ER model with attributes shown.

Reporting

- Very common function in any serious application
- Build vrs. Buy
- Management reporting systems
- Crystal Reports
  - Business Objects
- Competitors
  - Microsoft Reporting Services, Cognos ReportNet, Actuate and Actuate’s sponsorship of a reporting module for Eclipse, Microstrategy Reporting Services, and so on.
Crystal Reports (according to Business Objects)

- Design, Manage, and Deliver Reports for Extreme Business Insight
- Access your data, format it, and deliver it as information inside and outside your organization.
- Use Crystal Reports XI to:
  - Easily access and format data into dynamic information
  - Build end-user interactivity into your reports
  - Effectively maintain your reports and publish them to the web with BusinessObjects Enterprise
  - Integrate reports easily and efficiently

Crystal Reports within .Net

- Free (with .Net) and integrated into .Net IDE
- Sources data from its own database connections or from ADO.Net within an application.
- Object model is exposed and available for programmatic interaction
- Works within Windows and Web applications
- Report files (.rpt) have to be distributed with your application
- Reports and viewed with a CrystalReportViewer control (object)

Crystal reports resources

- Business Objects
  - www.businessobjects.com
- Business Objects .Net Developer zone
  - www.businessobjects.com/products/dev_zone/net/default.asp
- The Australasian user group
  - www.boaug.org
- Crystal developer journal
- Seek (for a keyword search)
  - http://it.seek.com.au/jobsearch/index.ascx?DataRange=31&catindustry=1215&Keywords=%22Crystal+Reports%22

Let's have a look